

ABSTRACT

A substrate of a target substance detection element to be used for a detection apparatus for
5 detecting a target substance, utilizing surface plasmon resonance, comprises a base and a metal structure arranged on the surface of the base in a localized manner or a metal film having an aperture and arranged on the surface of the base, the metal
10 structure or the aperture, whichever appropriate, having at least either of a loop section and a crossing section.